

J. Epps

1643

#9
JR

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/374,704

DATE: 11/01/1999
TIME: 10:52:26

Input Set: I374704.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: DERVAN, PETER B.
2 BAIRD, ELTON J.
3 <120> TITLE OF INVENTION: INHIBITION OF MAJOR GROOVE DNA BINDING
4 PROTEINS BY MODIFIED POLYAMIDES
5 <130> FILE REFERENCE: 238/298
6 <140> CURRENT APPLICATION NUMBER: US/09/374,704
7 <141> CURRENT FILING DATE: 1999-08-12
8 <150> EARLIER APPLICATION NUMBER: PCT/US98/02684
9 <151> EARLIER FILING DATE: 1998-02-13
10 <150> EARLIER APPLICATION NUMBER: PCT/US97/03332
11 <151> EARLIER FILING DATE: 1997-02-20
12 <150> EARLIER APPLICATION NUMBER: PCT/US97/12722
13 <151> EARLIER FILING DATE: 1997-07-21
14 <150> EARLIER APPLICATION NUMBER: 60/038,384
15 <151> EARLIER FILING DATE: 1997-02-14
16 <150> EARLIER APPLICATION NUMBER: 60/023,309
17 <151> EARLIER FILING DATE: 1996-07-31
18 <150> EARLIER APPLICATION NUMBER: 60/024,374
19 <151> EARLIER FILING DATE: 1996-08-01
20 <150> EARLIER APPLICATION NUMBER: 60/026,713
21 <151> EARLIER FILING DATE: 1996-09-25
22 <150> EARLIER APPLICATION NUMBER: 08/853,522
23 <151> EARLIER FILING DATE: 1997-05-08
24 <150> EARLIER APPLICATION NUMBER: 08/837,524
25 <151> EARLIER FILING DATE: 1997-04-21
26 <150> EARLIER APPLICATION NUMBER: 08/607,078
27 <151> EARLIER FILING DATE: 1996-02-26
28 <160> NUMBER OF SEQ ID NOS: 20
29 <170> SOFTWARE: FastSEQ for Windows Version 3.0
30 <210> SEQ ID NO 1
31 <211> LENGTH: 15
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Polyamide Motif
36 <400> SEQUENCE: 1
37 tgcctgacta atagt
38 <210> SEQ ID NO 2
39 <211> LENGTH: 15
40 <212> TYPE: DNA
41 <213> ORGANISM: Homo sapiens
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Polyamide Motif
44 <400> SEQUENCE: 2

15

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/374,704

DATE: 11/01/1999
TIME: 10:52:26

Input Set: I374704.RAW

```

45      actattagtc aggca                                     15
46      <210> SEQ ID NO 3
47      <211> LENGTH: 17
48      <212> TYPE: DNA
49      <213> ORGANISM: Homo sapiens
50      <220> FEATURE:
51      <223> OTHER INFORMATION: Polyamide Motif
52      <400> SEQUENCE: 3
53      gctgactaat tggtatc                                     17
54      <210> SEQ ID NO 4
55      <211> LENGTH: 17
56      <212> TYPE: DNA
57      <213> ORGANISM: Homo sapiens
58      <220> FEATURE:
59      <223> OTHER INFORMATION: Polyamide Motif
60      <400> SEQUENCE: 4
61      gataacaatt agtcagc                                     17
62      <210> SEQ ID NO 5
63      <211> LENGTH: 45
64      <212> TYPE: DNA
65      <213> ORGANISM: Artificial Sequence
66      <220> FEATURE:
67      <223> OTHER INFORMATION: Synthesized DNA Fragment
68      <400> SEQUENCE: 5
69      ccggatccat gggtgctgac taattgttat cctctagagt cgacc   45
70      <210> SEQ ID NO 6
71      <211> LENGTH: 45
72      <212> TYPE: DNA
73      <213> ORGANISM: Artificial Sequence
74      <220> FEATURE:
75      <223> OTHER INFORMATION: Synthesized DNA Fragment
76      <400> SEQUENCE: 6
77      ccagctgaga tctcctctgg ttaatcagtc gttggtacct aggcc   45
78      <210> SEQ ID NO 7
79      <211> LENGTH: 6
80      <212> TYPE: PRT
81      <213> ORGANISM: Homo sapiens
82      <220> FEATURE:
83      <223> OTHER INFORMATION: Polyamide Motif
84      <400> SEQUENCE: 7
85      Arg Pro Arg Arg Arg Arg
86      1          5
87      <210> SEQ ID NO 8
88      <211> LENGTH: 20
89      <212> TYPE: DNA
90      <213> ORGANISM: Homo sapiens
91      <220> FEATURE:
92      <223> OTHER INFORMATION: Polyamide Motif
93      <400> SEQUENCE: 8
94      ttgctgacta attgttatcc                                     20

```

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/374,704DATE: 11/01/1999
TIME: 10:52:26

Input Set: I374704.RAW

95	<210> SEQ ID NO 9	
96	<211> LENGTH: 20	
97	<212> TYPE: DNA	
98	<213> ORGANISM: Homo sapiens	
99	<220> FEATURE:	
100	<223> OTHER INFORMATION: GCN4 binding molecule	
101	<400> SEQUENCE: 9	
102	ggataacaat tagtcagcaa	20
103	<210> SEQ ID NO 10	
104	<211> LENGTH: 20	
105	<212> TYPE: DNA	
106	<213> ORGANISM: Homo sapiens	
107	<220> FEATURE:	
108	<223> OTHER INFORMATION: Polyamide Motif	
109	<400> SEQUENCE: 10	
110	ttgctgacta attggtctcc	20
111	<210> SEQ ID NO 11	
112	<211> LENGTH: 20	
113	<212> TYPE: DNA	
114	<213> ORGANISM: Homo sapiens	
115	<220> FEATURE:	
116	<223> OTHER INFORMATION: GCN4 binding molecule	
117	<400> SEQUENCE: 11	
118	ggagaccaat tagtcagcaa	20
119	<210> SEQ ID NO 12	
120	<211> LENGTH: 13	
121	<212> TYPE: DNA	
122	<213> ORGANISM: Homo sapiens	
123	<220> FEATURE:	
124	<223> OTHER INFORMATION: Polyamide Motif	
125	<400> SEQUENCE: 12	
126	aatcatggtc ata	13
127	<210> SEQ ID NO 13	
128	<211> LENGTH: 13	
129	<212> TYPE: DNA	
130	<213> ORGANISM: Homo sapiens	
131	<220> FEATURE:	
132	<223> OTHER INFORMATION: GCN4 binding molecule	
133	<400> SEQUENCE: 13	
134	tatgaccatg att	13
135	<210> SEQ ID NO 14	
136	<211> LENGTH: 13	
137	<212> TYPE: DNA	
138	<213> ORGANISM: Homo sapiens	
139	<220> FEATURE:	
140	<223> OTHER INFORMATION: Polyamide Motif	
141	<400> SEQUENCE: 14	
142	ctcattggac agc	13
143	<210> SEQ ID NO 15	
144	<211> LENGTH: 13	

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/374,704DATE: 11/01/1999
TIME: 10:52:26

Input Set: I374704.RAW

```
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
147 <220> FEATURE:
148 <223> OTHER INFORMATION: GCN4 binding molecule
149 <400> SEQUENCE: 15
150     gctgtccaat gag                                     13
151 <210> SEQ ID NO 16
152 <211> LENGTH: 13
153 <212> TYPE: DNA
154 <213> ORGANISM: Homo sapiens
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Polyamide Motif
157 <400> SEQUENCE: 16
158     ctcattgtac agc                                     13
159 <210> SEQ ID NO 17
160 <211> LENGTH: 13
161 <212> TYPE: DNA
162 <213> ORGANISM: Homo sapiens
163 <220> FEATURE:
164 <223> OTHER INFORMATION: GCN4 binding molecule
165 <400> SEQUENCE: 17
166     gctgtacaat gag                                     13
167 <210> SEQ ID NO 18
168 <211> LENGTH: 31
169 <212> TYPE: DNA
170 <213> ORGANISM: Homo sapiens
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Polyamide Motif
173 <400> SEQUENCE: 18
174     tctctcctcc tctctttcct ctctctctcc t               31
175 <210> SEQ ID NO 19
176 <211> LENGTH: 40
177 <212> TYPE: DNA
178 <213> ORGANISM: Homo sapiens
179 <220> FEATURE:
180 <223> OTHER INFORMATION: GCN4 binding molecule
181 <400> SEQUENCE: 19
182     aggagagaga gaggatatca tgaacagaga ggaggagaga       40
183 <210> SEQ ID NO 20
184 <211> LENGTH: 40
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Polyamide Motif
189 <400> SEQUENCE: 20
190     tctctcctcc tctctgttca tgatatactc tctctctcct       40
```

PAGE: 5

VERIFICATION SUMMARY
PATENT APPLICATION US/09/374,704

DATE: 11/01/1999
TIME: 10:52:26

Input Set: I374704.RAW

Line ? Error/Warning

Original Text
